



03/31/00

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jc525 U.S. PTO  
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845136:jr  
560043610132

March 31, 2000

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231**Re: New Patent Application Transmittal**

Transmitted herewith for filing is the patent application of:

Inventor(s): BUABBUD et al.

Title: BIDIRECTIONAL FREQUENCY SHIFT CODING  
USING TWO DIFFERENT CODES FOR UPSTREAM  
AND DOWNSTREAM

Type: Original

Attorney's Docket No.: 560043610132

Enclosed for filing are the following papers relating to the above-identified application for patent:

- Specification (15 pages), Claims (4 pages), and Abstract (1 page) -  
(Total pages: 20)
- Combined Declaration and Power of Attorney (4 pages)
- Informal Drawings (5 sheets)
- Check in the amount of \$690.00 to cover the  
filing fee of the application (see calculation below)

"Express Mail" mailing label No. EL415077642US

Date of Deposit: March 31, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

JULIE RUSSELL

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

DL: 1102653v1  
560043-610132

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 March 31, 2000  
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- Assignment
- Patent Recordation Cover Sheet
- Check in the amount of \$40.00 to cover the recording fee of the Assignment

## LARGE ENTITY

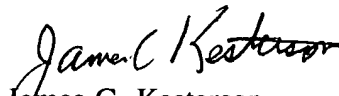
CLAIMS AS FILED				
	Number Filed	Number Extra	Rate	Fee
Total Claims:	(11-20 =)	0	x18.00	-
Independent Claims:	(2- 3 =)	0	x78.00	-
Mult. Dependent Claim:			x260.00	
Basic Fee:				<u>\$690.00</u>
Total Filing Fee				\$690.00

Please file the application. All correspondence is to be directed to the Applicant's attorney at the address set forth in the Declaration and Power of Attorney for Patent Application.

In the event the check(s) is inadvertently omitted or is insufficient, please charge the required fees to the Jones, Day, Reavis & Pogue Deposit Account 50-0566. Please credit any overpayment to Deposit Account 50-0566. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

JONES, DAY, REAVIS & POGUE

  
 James C. Kesterson  
 Reg. No. 25,882

Enclosures